

NGAC Landsat Advisory Group (LAG) Subcommittee Update



NGAC Meeting
May 18, 2022

Frank Avila, LAG Chair
Roberta (Bobbi) Lenczowski, LAG Vice-Chair

LAG Mission

Provide advice to the Federal Government, through the Department of the Interior National Geospatial Advisory Committee,
on the requirements, objectives and actions of the Landsat Program
as they apply to continued delivery of societal benefits for the Nation and the global Earth observation community

LAG was established in April 2012 as a subcommittee under the NGAC.

LAG 2021 Membership

Name	Organization
Frank Avila (<i>LAG Chair, NGAC Member</i>)	<i>National Geospatial-Intelligence Agency (NGA)</i>
Bobbi Lenczowski (<i>LAG Vice-Chair, NGAC Member</i>)	<i>Roberta E. Lenczowski Consulting</i>
Vasit Sagan (<i>NGAC Member</i>)	<i>Saint Louis University</i>
Mariel Borowitz	<i>Georgia Institute of Technology</i>
Steven Brumby	<i>Impact Observatory, Inc</i>
Keith Masback	<i>Plum Run, LLC.</i>
Anne Hale Miglarese	<i>Saildrone, Inc.</i>
Robbie Schingler	<i>Planet</i>
Walter Scott	<i>MAXAR</i>
May Yuan	<i>University of Texas-Dallas</i>
Federal Contacts: Tim Newman, Tim Stryker, Greg Snyder, Peter Doucette <i>USGS/National Land Imaging Program</i>	

Published LAG Reports

[Revisiting the Land Remote Sensing Policy Act of 1992 – April 2021](#)

[Formulating a Big Data Science Challenge for Land Imaging Time-Series Data – April 2021](#)

[Landsat Data: Community Standard for Data Calibration – October 2020](#)

[Evaluation of a Range of Landsat Data Cost Sharing Models – June 2019](#)

[Landsat Future Mission Recommendations – April 2018](#)

[Landsat Data Cube Feasibility for Forecasting – April 2018](#)

[Analysis of Non-Federal Landsat User Requirements – June 2016](#)

[Sentinel Data Use Policies – December 2015](#)

[The Value Proposition for Landsat Applications – December 2014](#)

[Cloud Computing: Potential New Approaches to Data Management and Distribution – December 2013](#)

[Comments on NRC Report: Landsat and Beyond: Sustaining and Enhancing the Nation's Land Imaging Program – December 2013](#)

[Product Improvement – Advice USGS on Potential Means of Modifying the Current Products to Make Them More Useful to Commercial Information Providers and Value-added Analysts – December 2013](#)

[Statement on Landsat Data Use and Charges – September 2012](#)

[The Value Proposition for Ten Landsat Applications – September 2012](#)

Documents can be accessed at www.fgdc.gov/ngac/key-documents

Current 2021-2022 LAG Tasks

2021 LAG Task #1

❖ **Task: Landsat in the Cloud Era**

- What innovations should NLI consider a priority in providing data and information products in the cloud? Recommending innovations requires an understanding of the current status, policies that may restrict or facilitate innovation, and how these innovations might be accomplished.

❖ **Team:** Walter Scott (Lead), Mariel Borowitz (Co-Lead), Steve Brumby, Bobbi Lenczowski, Keith Masback, Vasit Sagan, and May Yuan

❖ **Activity:** Team completed final draft of paper, approved for submission to this NGAC meeting.

❖ **Date for LAG Approval:** 10 May 2022

❖ **Date for NGAC Discussion and Approval:** 18 May 2022

2021 LAG Task #2

❖ **Task: Where is the “Water’s Edge” of NLI Scope?**

- Since Federal resources are limited, and we are in a “phase shift” in the Earth Observation community, what earth observation products should the Federal government wisely provide to optimize benefit to the public. USGS seeks recommendations about products it should be investing in, including Level-1, -2, and -3 products.

❖ **Team:** Robbie Schingler (Lead), Frank Avila, Steve Brumby, Bobbi Lenczowski, Anne Miglarese, Vasit Sagan, and May Yuan

❖ **Activity:** Initial draft completed and comments received. Revisions not yet completed. Landsat in the cloud and more experience with ARD and LCMAP information may require additional modifications.. LAG will seek NGAC approval during later 2022 NGAC meeting.

❖ **Target Due Date for LAG Approval:** TBD

❖ **Target NGAC Approval:** 4QCY 2022

2022 LAG Work Program

Additional members sought!

❖ Possible Topics:

- Analysis of Cloud use patterns:

Should imagery be differently organized?

Should more applications be available there?

Should exporting complete sets of new Collections be handled differently?

What metrics to collect to assess value to whom and for what?

- Harmonization of sensors' data (e.g., HLS):

Case Studies of successes and challenges

- Significance of openness to confront geo-political issues with accessible, reliable earth observation

❖ Any suggestions from the LAG and NGAC members

Landsat Program Update

Tim Newman

USGS National Land Imaging Program

Questions/Discussion